

WHAT IS CLAIMED IS:

1. An image recording method of recording a single pixel forming an image using a plurality of pulses comprising the step of:

expressing gradation using a single pulse or a plurality of pulses expressing a superordination bit having a larger pulse width and a single pulse or a plurality of pulses expressing a subordination bit having a smaller pulse width.

2. An image recording method according to claim 1, said plurality of pulses expressing said superordination bit having said larger pulse width lying at irregular intervals applied to said single pixel.

3. An image recording method comprising the step of:  
having activation or non-activation operation for each of said pulses, related to a specified bit forming image data.

4. An image recording method comprising the steps of:  
expressing gradation using a single pulse or a plurality of pulses having a larger pulse width expressing a superordination bit and a single pulse or a plurality of

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pulses having a smaller pulse width expressing a subordination bit; and

having activation or non-activation operation for each of said pulses, related to a specified bit forming image data.

5. An image recording apparatus comprising:

an image recording unit which records an image in a first direction;

a transfer unit which relatively transfers said image recording unit and a recording medium in a second direction normal to said first direction; and

a record control unit which controls and records a single pixel using a plurality of pulses when said image are recorded, said record control unit expressing gradation for said image to be recorded using a single pulse or a plurality of pulses having a larger pulse width expressing a superordination bit and a single pulse or a plurality of pulses having a smaller pulse width expressing a subordination bit.

6. An image recording apparatus according to claim 5, said plurality of pulses expressing said superordination bit having said larger pulse width lying at irregular

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intervals applied to said single pixel.

7. An image recording apparatus comprising:

an image recording unit which records an image in a first direction;

a transfer unit which relatively transfers said image recording unit and a recording medium in a second direction normal to said first direction; and

a record control unit which controls and records a single pixel using a plurality of pulses when said image is recorded, said record control unit having activation or non-activation operation for each of said pulses, related to a specified bit forming image data

8. An image recording apparatus comprising:

an image recording unit which records an image in a first direction;

a transfer unit which relatively transfers said image recording unit and a recording medium in a second direction normal to said first direction; and

a record control unit which controls and records a single pixel using a plurality of pulses when said image is recorded, said record control unit expressing gradation for said image to be recorded using a single pulse or a

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plurality of pulses having a larger pulse width expressing a superordination bit and a single pulse or a plurality of pulses having a smaller pulse width expressing a subordination bit, and having activation or non-activation operation for each of said pulses, related to a specified bit forming image data.

9. The image recording apparatus according to claim 5, said image recording unit being provided a thermal head.

10. The image recording apparatus according to claim 7, said image recording unit being provided a thermal head.

11. The image recording apparatus according to claim 8, said image recording unit being provided a thermal head.

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